

## CLAIMS

1. An agent for decontaminating soil, groundwater or sediment contaminated with hexavalent chromium, said decontaminating agent comprising:

at least one of iron (0) and ferrous iron; and

a microbial biostimulant of at least one member selected from the group consisting of yeast extract, inactive yeast, active yeast and peptone.

2. A method for decontaminating soil, groundwater or sediment contaminated with hexavalent chromium, said method comprising:

adding at least one of iron (0) and ferrous iron, and a microbial biostimulant of at least one member selected from the group consisting of yeast extract, inactive yeast, active yeast and peptone to soil, groundwater or sediment to thereby reduce hexavalent chromium to trivalent chromium.